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FORM PTO-1449 PATENT AND TRADEMARK OFFICE
(REV. 7-80)ATTY. DOCKET NO.:
500.1007CPA

SERIAL NO.: 09/284683

APPLICANT(S): CEVC, Gregor

FILING DATE: June 24, 1999

GROUP:

LIST OF PRIOR ART CITED BY APPLICANT

(Use several sheets if necessary)

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
lm	AA	5 9 5 8 3 7 9	9/28/99	Regenold, et al.	—	—	
	AB	4 9 5 4 3 4 5	9/4/90	Müller	—	—	
	AC	4 9 3 7 0 7 8	6/26/90	Mezei, et al.	—	—	
	AD	5 7 4 1 5 1 5	4/21/98	Ciceri, et al.	—	—	
	AE	4 9 1 1 9 2 8	3/27/90	Wallach	—	—	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
							YES NO
lm	AF	0 0 2 4 3 7 7	05/04/00	WO	A61K	9/127	
	AG	0 0 1 2 0 6 0	03/09/00	WO	A61K	9/127	
	AH	9 8 3 3 4 8 3	8/6/98	WO	—	—	
	AI	2 0 5 2 1 6 4	9/26/92	Canada	—	—	
	AJ	9 2 0 3 1 2 2	03/05/92	WO	—	—	
	AK	1 1 4 3 6 5 6	03/29/83	Canada	—	—	
	AL	WO 88 0 7 3 6 2	10/6/88	PCT	—	—	
	AM	0 2 8 0 4 9 2	8/31/88	Europe	—	—	
	AN	9 8 1 7 2 5 5	4/30/88	WO	—	—	
	AO	3 7 1 3 4 9 4	10/29/87	Germany	—	—	Abstract
	AP	0 2 2 0 7 9 7	5/6/87	Europe	—	—	
	AQ	WO 87 0 1 9 3 8	4/9/87	PCT	—	—	
	AR	0 2 1 1 6 4 7	2/25/87	Europe	—	—	
	AS	0 1 0 2 3 2 4	3/7/84	Europe	—	—	Abstract
	AT	3 0 1 6 9 7 6	11/13/80	Germany	—	—	Abstract

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

lm	AU	V.M. Knepp et al., "CONTROLLED DRUG RELEASE FROM A NOVEL LIPOSOMAL DELIVERY SYSTEM. II. TRANSDERMAL DELIVERY CHARACTERISTICS", Journal of Controlled Release 12 (1990) March, No. 1, Amsterdam, NL, pp. 25-30.
	AV	C.E. Price, "A REVIEW OF THE FACTORS INFLUENCING THE PENETRATION OF PESTICIDES THROUGH PLANT LEAVES" on I.C.I. Ltd., Plant Protection Division, Jealott's Hill Research Station, Bracknell, Berkshire RG12 6EY, U.K., pp. 237-252.
	AW	K. Karzel and R.K. Liedtke, "MECHANISMEN TRANSKUTANER RESORPTION" on Grundlagen/Basics, pp. 1487-1491 (translation also attached).
	AX	Search Report for PCT/EP91/01596.
	AY	*Michael Mezei, LIPOSOMES AS A SKIN DRUG DELIVERY SYSTEM" 1985 Elsevier Science Publishers B.V. (Biomedical Division), pp 345-358.
	AZ	Adrienn Gesztes and Michael Mezei, "TOPICAL ANESTHESIA OF THE SKIN BY LIPOSOME-ENCAPSULATED TETRACAINE" on Anesth Analg 1988; 67: pp 1079-81.

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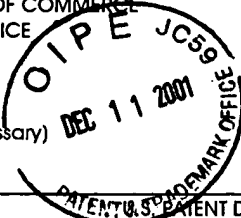
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la	BA 6 1 6 5 5 0 0	12/26/00	Cevc	—	—	

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
BB	1 2 8 9 4 2 0	09/24/91	Canada	A61K	9/50		
BC	9 0 0 9 7 8 2	7/7/90	WO	A61K	9/127		

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

BD	Harish M. Patel, "LIPOSOMES AS A CONTROLLED-RELEASE SYSTEM" on Biochemical Society Transactions 609 th Meeting, Leeds, pp 513-516.
BE	Philip G. Green, et al., "IN VITRO AND IN VIVO ENHANCEMENT OF SKIN PERMEATION WITH OLEIC AND LAURIC ACIDS" on International Journal of Pharmaceutics, 48 (1988), pp 103-111.
BF	Guia M. Golden et al., "ROLE OF STRATUM CORNEUM LIPID FLUIDITY IN TRANSDERMAL DRUG FLUX" on Journal of Pharmaceutical Sciences Vol. 76, No. 1, January 1987, American Pharmaceutical Association, pp 25-28.
BG	Bruce J. Aungst et al., "ENHANCEMENT OF NALOXONE PENETRATION THROUGH HUMAN SKIN IN VITRO USING FATTY ACIDS, FATTY ALCOHOLS, SURFACTANTS, SULFOXIDES AND AMIDES" on International Journal of Pharmaceutics, 33 (1986), pp 225-234.
BH	Ronald R. Burnette et al., "CHARACTERIZATION OF THE PERMSELECTIVE PROPERTIES OF EXCISED HUMAN SKIN DURING LONTOPHORESIS" on Journal of Pharmaceutical Sciences Vol. 76, No. 10, October 1987, American Pharmaceutical Association, pp 765-773.
BI	E.C. Katoulis et al., "EFFICACY OF A NEW NEEDLELESS INSULIN DELIVERY SYSTEM MONITORING OF BLOOD GLUCOSE FLUCTUATIONS AND FREE INSULIN LEVELS" on International Journal of Artificial Organs Vol. 12, No. 5, 1989, pp 333-338.
BJ	Ovais Siddiqui et al., "NONPARENTERAL ADMINISTRATION OF PEPTIDE AND PROTEIN DRUGS" on CRC Critical Reviews in Therapeutic Drug Carrier Systems, Volume 3, Issue 3, pp 195-208.
BK	Abstract searched from Derwent World Patents Index Latest, for EP 0102 324.
BL	Cevc, G. et al., "Ultraflexible vesicles, Transfersomes, have an extremely low pore penetration resistance and transport therapeutic amounts of insulin across the intact mammalian skin", <i>Biochimica et Biophysica Acta</i> , 1368 pp. 201-215 (1998).
BM	Cevc, G., "Material Transport Across Permeability Barriers by Means of Lipid Vesicles", <i>Handbook of Biological Physics</i> , Vol. 1, pp. 465-490 (1995).
BN	Mayer, L.D. et al., "Vesicles of variable sizes produced by a rapid extrusion procedure", <i>Biochimica et Biophysica Acta</i> , 858 pp. 161-165 (1986).
BO	Patel, H.M. et al., "ORAL ADMINISTRATION OF INSULIN BY ENCAPSULATION WITHIN LIPOSOMES", <i>FEBS LETTERS</i> , 62(1):60-63 (February 1976).
BP	Schreier, H. "Liposomes - A Novel Drug Carrier, I. Phospholipids; Production and Characterization of Liposomes; II. Destiny of liposomes in vivo; use in therapy", <i>Pharmazie in unserer Zeit</i> , No. 4 (1982). (translation also attached)
BQ	Beyer, C. et al., "Micro Emulsions" <i>Pharmazie in unserer Zeit</i> , No. 2 (1983). (translation also attached)
BR	Lichtenberg, D. et al., "SOLUBILIZATION OF PHOSPHOLIPIDS BY DETERGENTS STRUCTURAL AND KINETIC ASPECTS" <i>Biochimica et Biophysica Acta</i> , 737 pp. 285-304 (1983).

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				FILING DATE: Simultaneously Herewith		GROUP:	

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							YES	NO
✓	CB	9 1 0 4 0 1 3	04/04/91	WO	A61K	9/127		
✓	CC	9 2 0 5 7 7 1	04/16/92	WO	A61K	9/127		
✓	CD	9 3 1 9 7 3 6	10/14/93	WO	A61K	9/127		
✓	CE	9 3 1 9 7 3 7	10/14/93	WO	A61K	9/127		
✓	CF	9 0 0 9 7 8 2	09/07/90	WO	A61K	9/127		
✓	CG	0 2 2 4 8 3 7	11/24/86	EP	A61K	9/127		
✓	CH	1 7 4 0 2 8 3	07/28/83	AU	A61K	9/10		

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

✓	CI	Lasch, J. et al., "Interactions of external lipids (lipid vesicles) with the skin" <i>Journal of Liposome Research</i> , 5(3) pp. 543-569 (1995).
✓	CJ	Berger, M. "Oral Insulin 1922-1992: The History of Continuous Ambition and Failure" <i>Heinrich-Heine-University, Dusseldorf, Germany</i> .
✓	CK	Cevc, G. et al., "The skin: a pathway for systemic treatment with patches and lipid-based agent carriers" <i>Advanced Drug Delivery Reviews</i> 18 pp. 349-378 (1996).
✓	CL	Benner, K., "The Human Body, The Wonderwork of the Human Body, Structure, Functions, Interactions, Processes and Mechanisms" <i>Weltbild GmbH Augsburg</i> (1995) (translation also attached)
✓	CM	SERVA FEINBIOCHEMICA FUR FORSCHUNG for <i>SERVA Feinbiochemica GmbH & Co.</i> (1986/1987) (translation also attached)
✓	CN	Fluka Ika-BioChemika Catalogue 16 (1988/89) (translation also attached)
✓	CO	Fieser, L.F. et al., "Organic Chemistry" <i>Hans Ruprecht Hensel, 2nd revised edition, Verlag Chemie GmbH, Weinheim/Bergstr.</i> (1968) (translation also attached)
✓	CP	A. Helenius et al., "Solubilization of Membranes by Detergents" <i>Biochimica et Biophysica Acta</i> , 415 pp. 29-79 (1975).
✓	CQ	Jackson, M.L. et al., "Solubilization of Phosphatidylcholine Bilayers by Octyl Glucoside" <i>Biochemistry</i> 21 pp. 4576-4582 (1982).
✓	CR	Vinson, P.K. et al., "Vesicle-micelle transition of phosphatidylcholine and octyl glucoside elucidated by cryo-transmission electron microscopy" <i>Biophysical Journal</i> Volume 56 pp. 669-681 (1989).
✓	CS	Edwards, K., "Effects of Triton X-100 on Sonicated Lecithin Vesicles" <i>Langmuir</i> Vol.5 No. 2 pp.473-478 (1989).
✓	CT	Brendzel, A.M., "EFFECTS OF LIPID-SOLUBLE SUBSTANCES ON THE THERMOTROPIC PROPERTIES OF LIPOSOME FILTRATION" <i>Biochimica et Biophysica Acta</i> , 601 pp. 260-270 (1980).
✓	CU	Roeding, J., "Liposomes and Niosomes in Pharmacy and Cosmetics State of the Art Prospects, Techniques of Visualizing Vesicular Systems, Interaction of Liposomes with the Skin" <i>Training Course No. 105 from May 14 to 16, 1990, MARITIM Hotel Nurnberg, Frauentorgaben 11, 8500 Nurnberg.</i> (translation also attached)

EXAMINER	DATE CONSIDERED
<i>Kade</i>	4/02

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